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Attachment 1		

## Workplan for Use of Section 106 Monitoring Initiative FY 2016 Funds

## Part A. Implementation of Monitoring Strategies

Please identify how your State plans to use the FY 16 Monitoring Initiative Strategy Implementation funds. It is important to keep in mind that these funds should be used for new, expanded or enhanced monitoring activities that will build upon the State's base monitoring programs as described in the State's Monitoring Strategy. In additional to the table belowstates must submit a 1-2 page narrative workplan that describes in more detail the tasks listed including how the activity links to the State's monitoring strategy in terms of which gap, deficiency, timeline element, etc. is being addressed.

Some examples of program enhancement include:

- Adoption of statistically valid monitoring designs and assessment methodologies to expand coverage of waters and assessments
- Migration to Water Quality Exchange for data sharing and uploading of ambient monitoring data to national STORET warehouse
- Expansion of the use and rigor of biological monitoring and the development of improved assessment, stressor identification, and reporting tools
- Development of new tools such as predictive technology and remote sensing to refine applications of monitoring data

Task/Description of Activity	Products and/or Deliverables (outputs)	Environmental Outcomes (related to EPA Strategic Plan)	2016 Expected Cost	Planned Completion Date	Identify how this task links to Monitoring Strategy (which gap, weakness, timeline element does this task address?)	National Database e.g., STORET, ATTAINS, other	Additional Information
Work with citizen volunteer monitors to coordinate the collection of at least 2 sets of 5-day geometric means of fecal coliform bacteria densities in a 30-day period. Conduct analysis on	assessments. The assessment results	Assessments of	\$ 35,000.00	Dec. 31, 2016	Will increase the total stream miles assessed for recreational use.	database which can be transferred to	Funds will be used to cover acredited independent laboratory cost, lease of 5 cars. Local laboratoires must be used due to short holding time of samples.

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Task/Description of Activity	Products and/or Deliverables (outputs)	Environmental Outcomes (related to EPA Strategic Plan)	2016 Expected Cost	Planned Completion Date	Identify how this task links to Monitoring Strategy (which gap, weakness, timeline element does this task address?)	National Database e.g., STORET, ATTAINS, other	Additional Information
Provide funding for travel costs for recreational use assessment and	of effort and identify monitoring and assessment needs that should be addressed. Staff attendance at national meetings will improve state	More effective monitoring and assessment that will produce cost savings by reducing duplication of efforts.	\$ 15,000.00	Dec. 31, 2016		Not Applicable	Most of funding will be used to pay for staff travel costs associated with the recreational use monitoring.
operations supporting statewide	bottles, VOA vials, taxonomic keys,	Allow for continued monitoring and assessment of all protected water uses attainment status.	\$ 10,000.00	Dec. 31, 2016		Not Applicable	
Task #4: Conduct continued study of Susquehanna River to determine attainment status of all designated uses. The study includes monitoring of major tributaries as well as existing and new locations on the mainstem. Monitoring will include use of data loggers for DO, pH, Temperature and Conductance; macroinvertebrates; fish; mussels; algae and nutrients and develop monitoring program for ational use specific to large was proposed. Also includes project to determine Thiamine levels in eggs and Thiaminase activity in invasive species.	Assessment results generated from the	Allow for continued monitoring and assessment of all protected water uses attainment status.	\$ 100,000.00 \$ 160,000.00	Dec. 31, 2016		Assessment results will be entered into the state assessment database which can be transferred to EPA. Information is also reported in the Integrated Report.	A portion of funds will be used to purchase supplies, equipment and replacement parts needed for the Susquehanna River aquatic life assessment. The remaining portion of funds will be used to conduct analysis on algal species identification and biofilm fatty acid composition. Support contracting with outside laboratory to conduct analysis on biofilm fatty acid samples. This study remains a priority project which requires more resources in both money and personnel.

\$ 160,000.00